

## E.G. THREE LAYERED

100

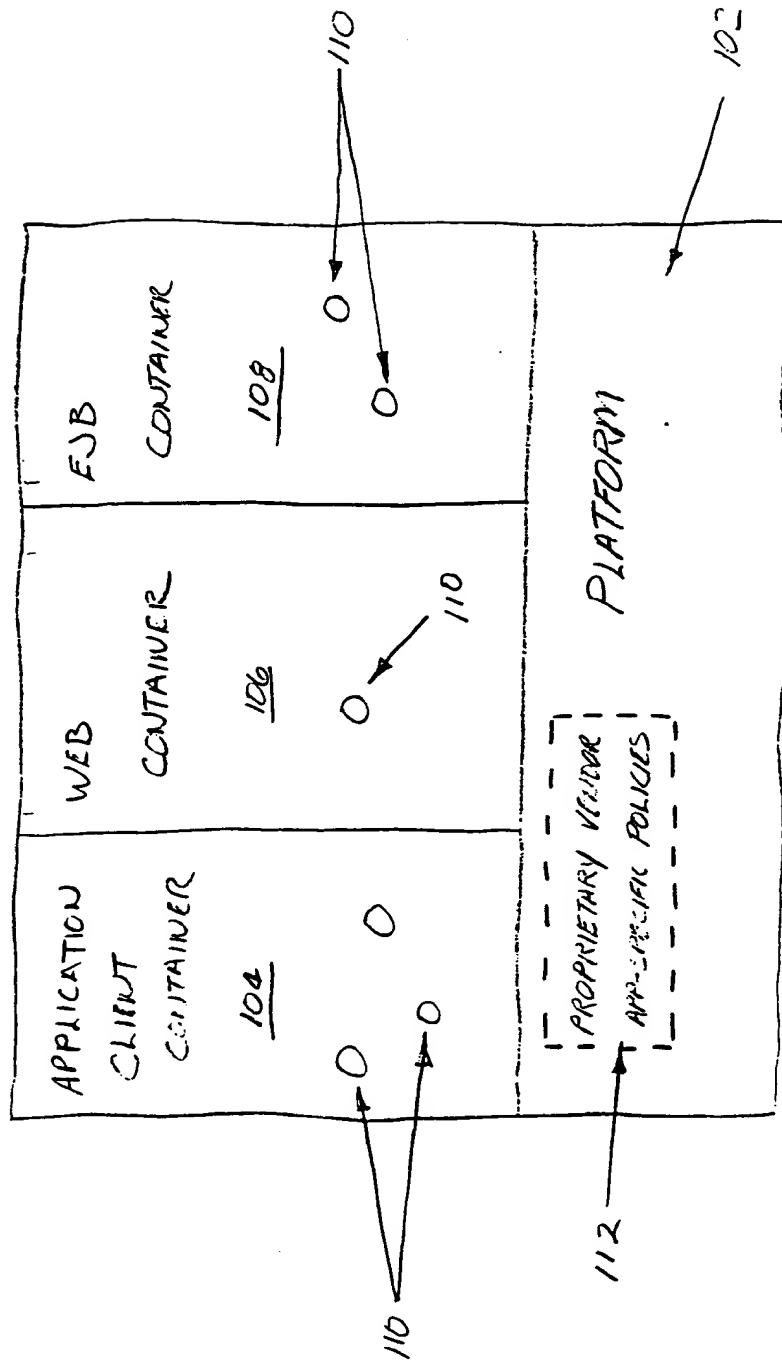


Fig. 1  
(THREE LAYER)

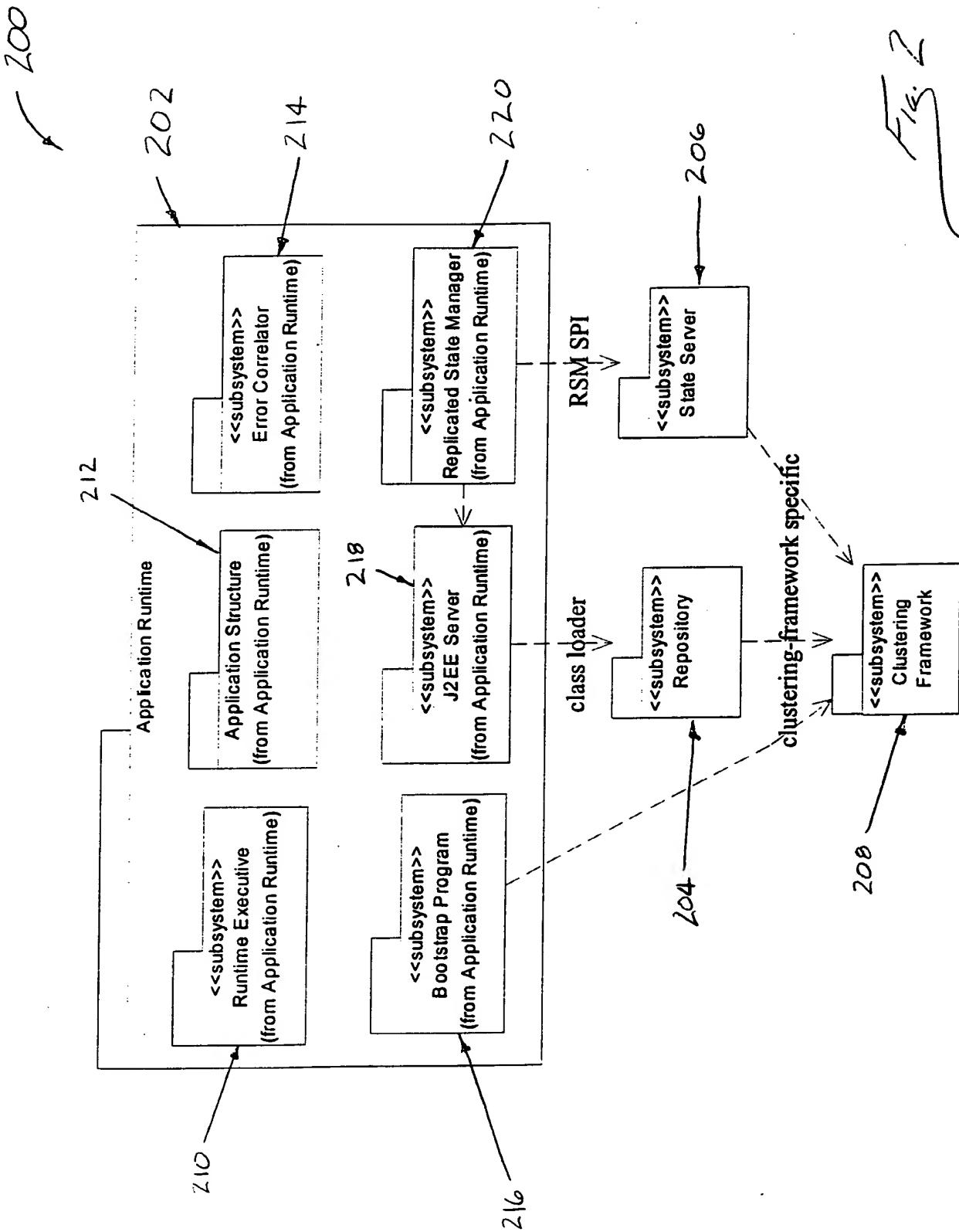
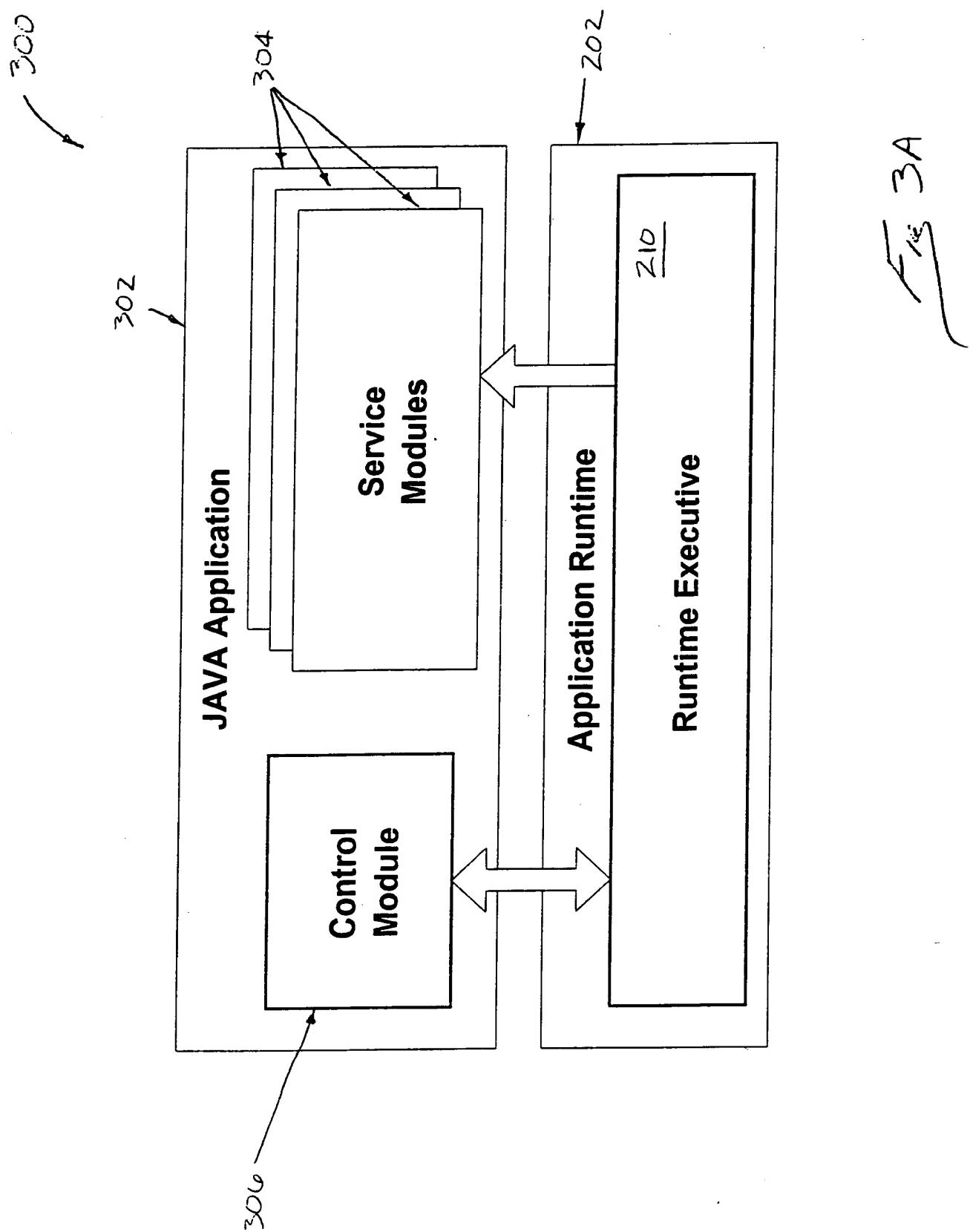


Fig. 2



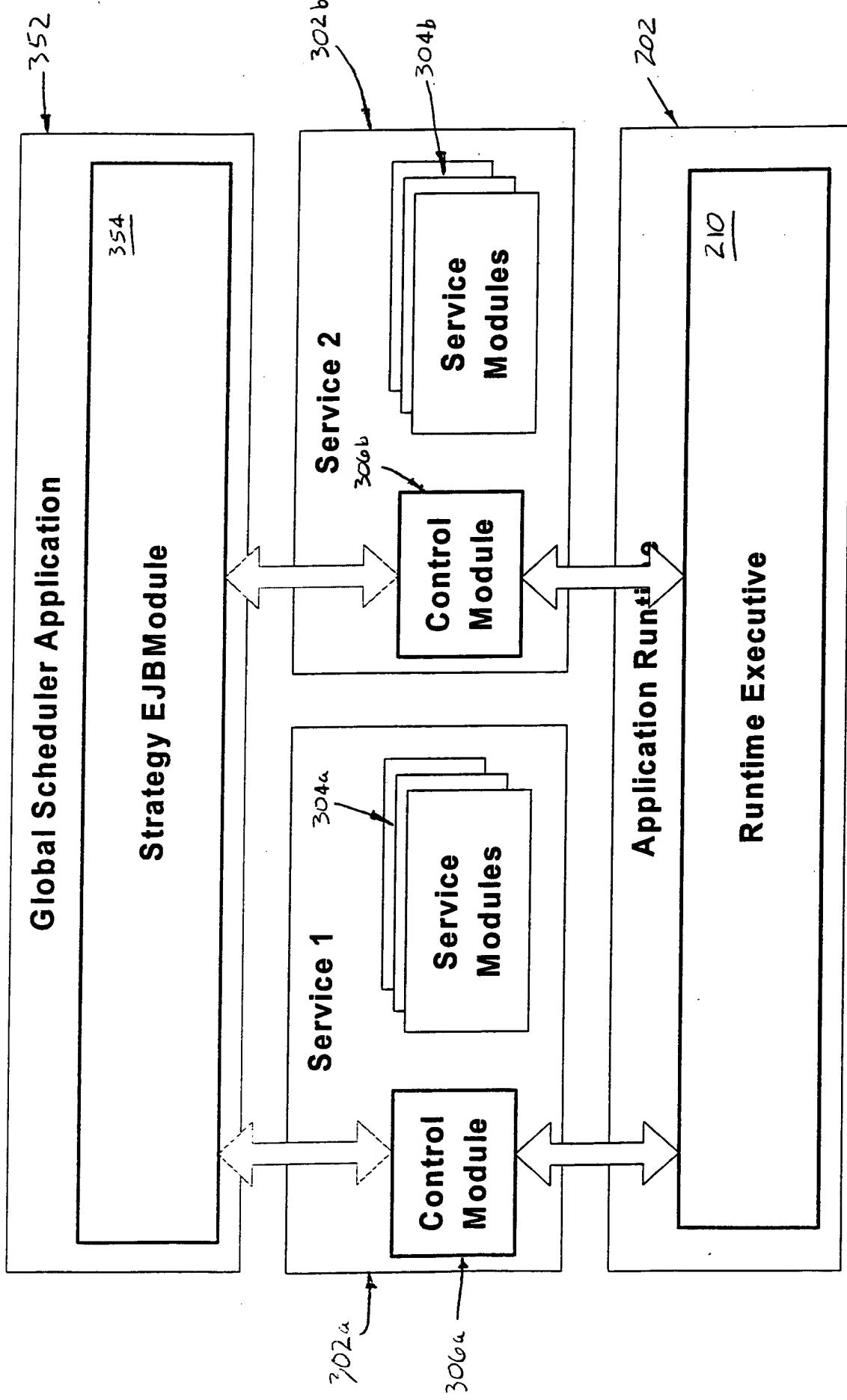
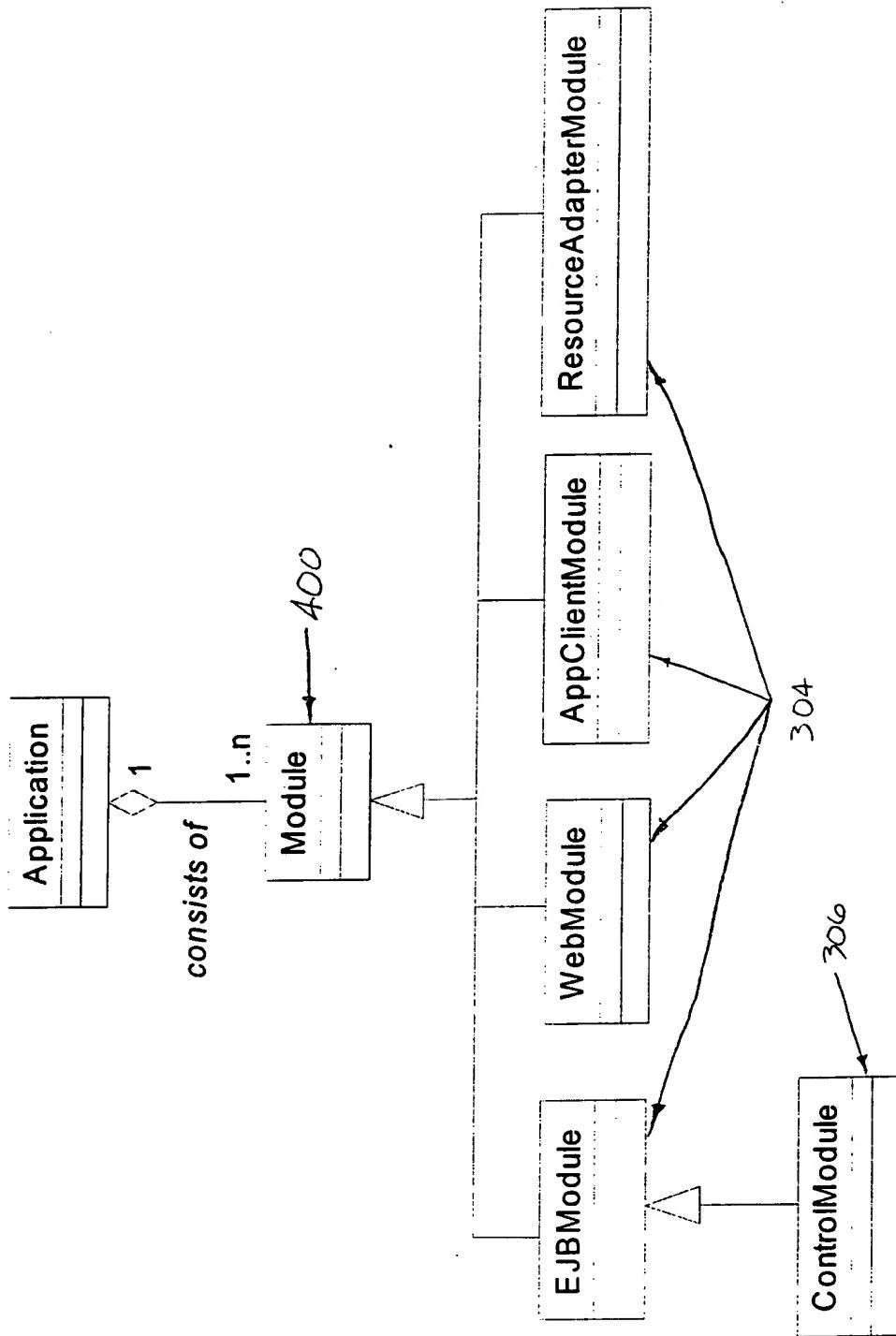


Fig 3B

302



500

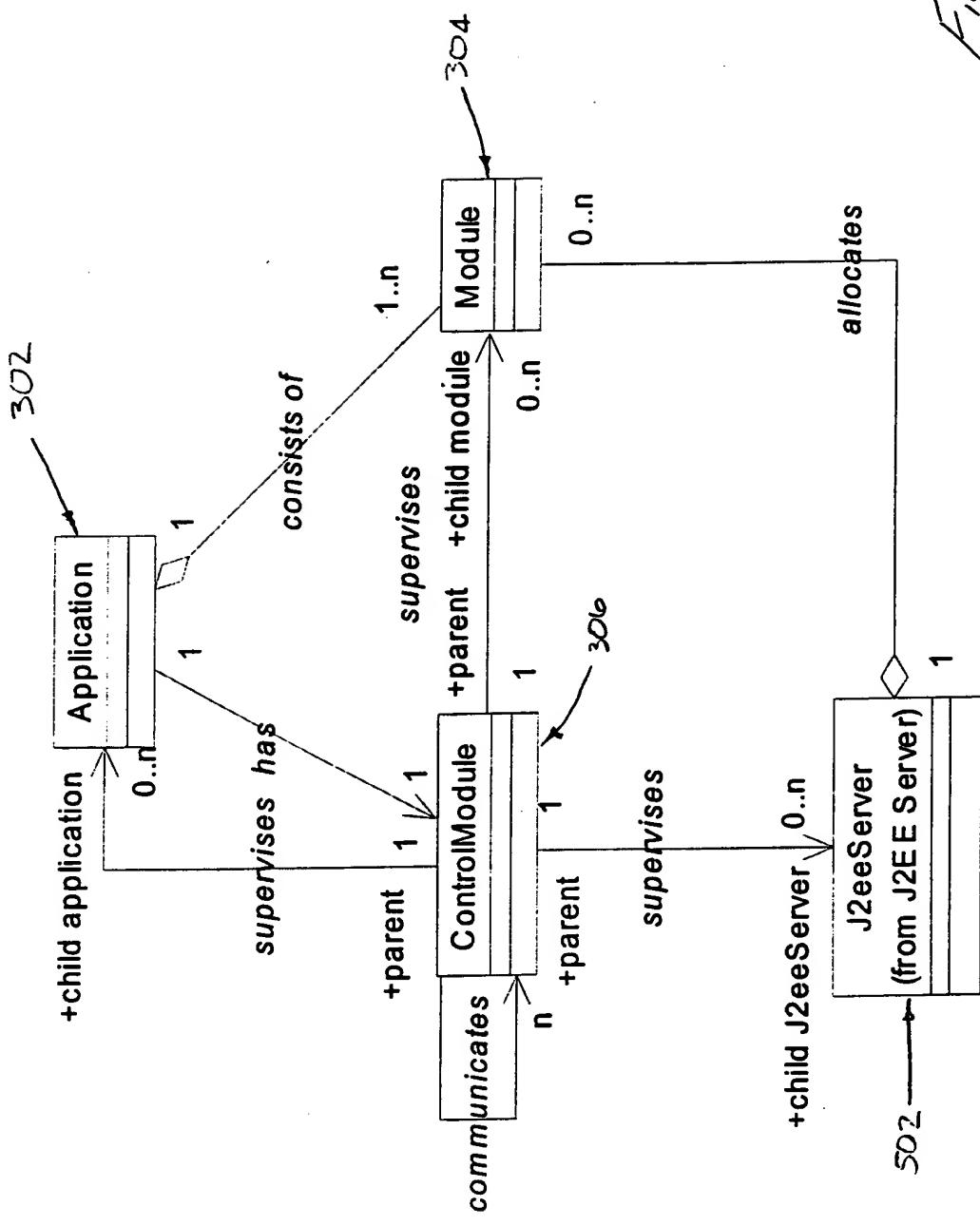
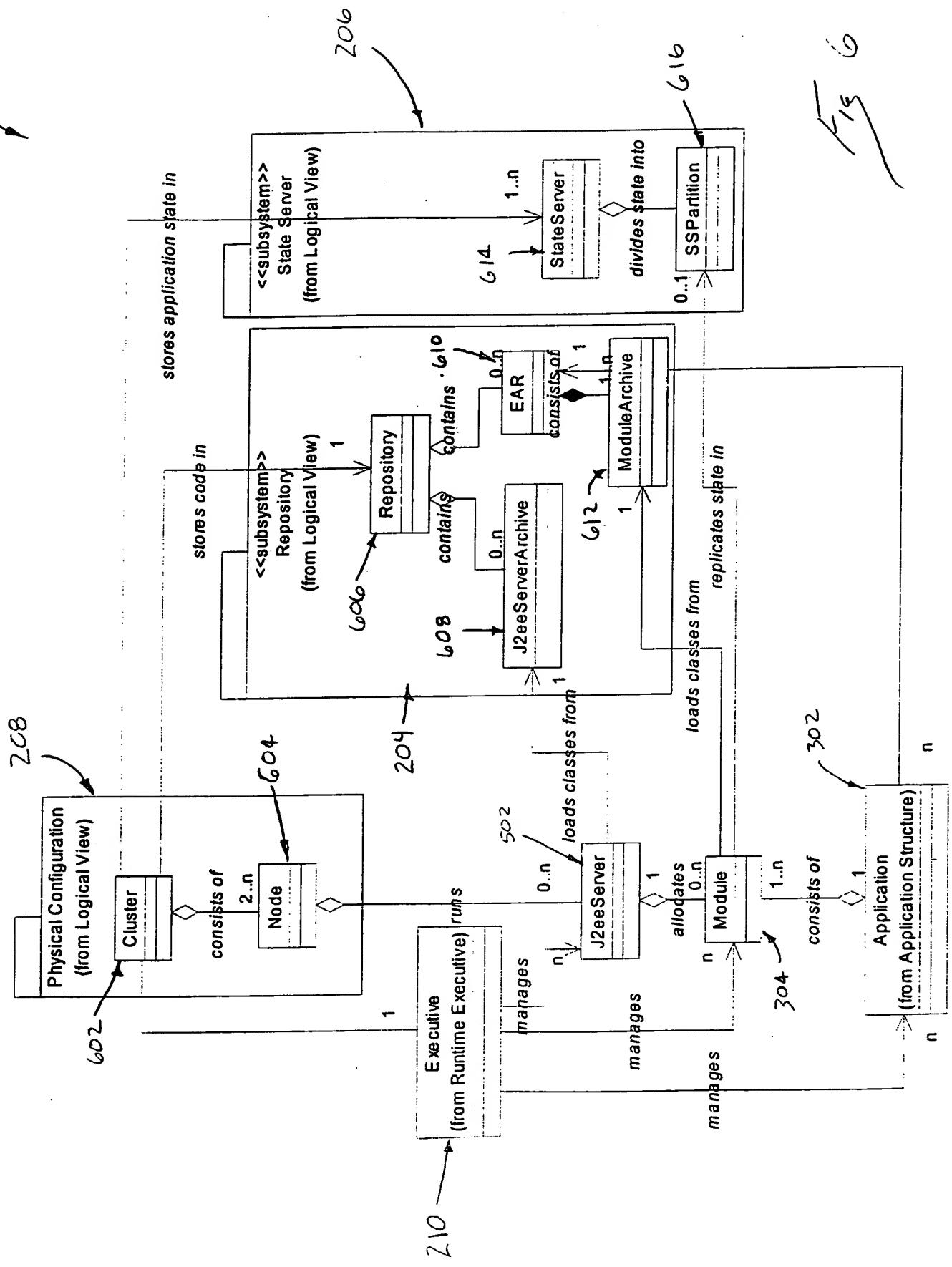
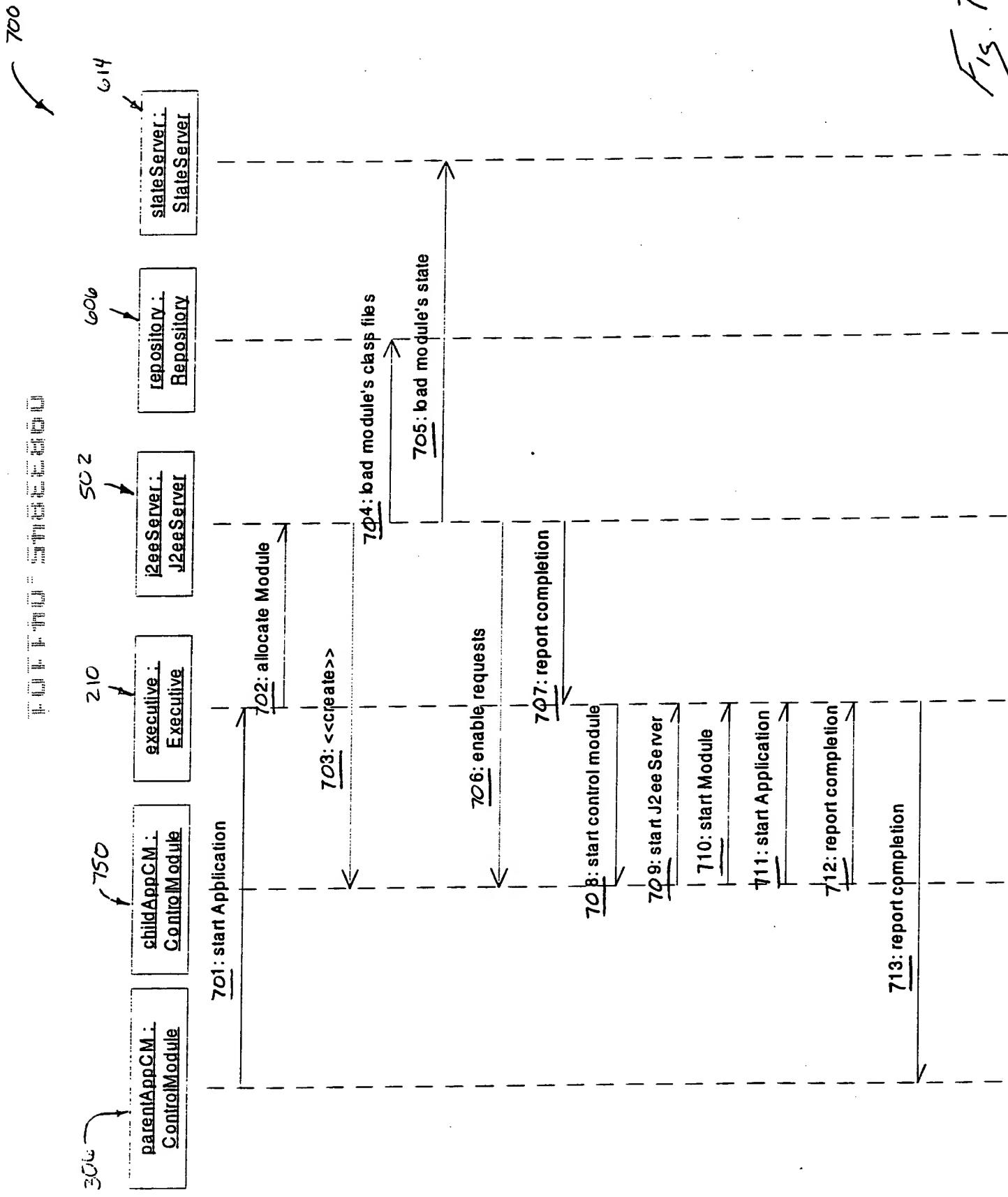


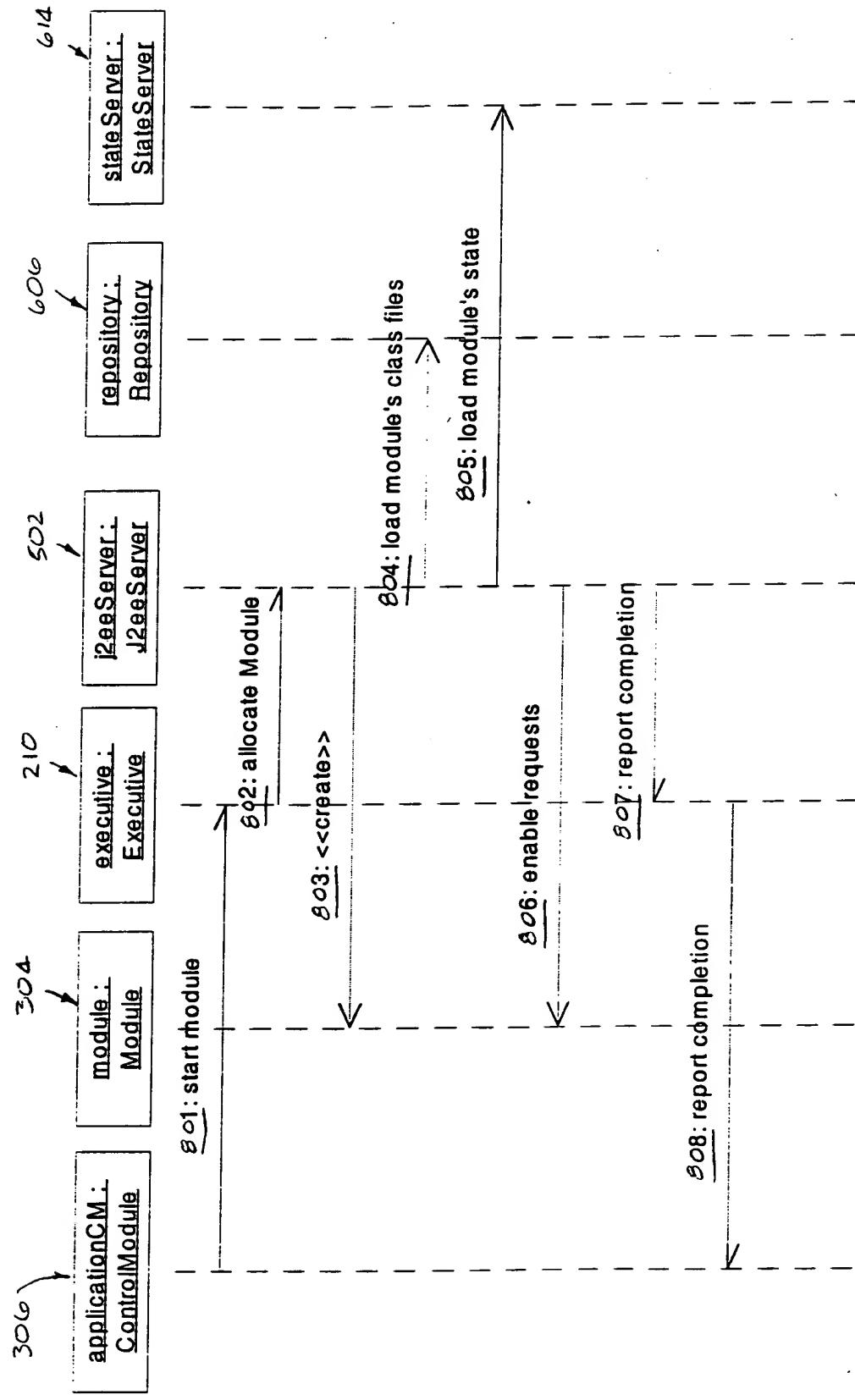
Fig. 5



父类控制模块启动过程

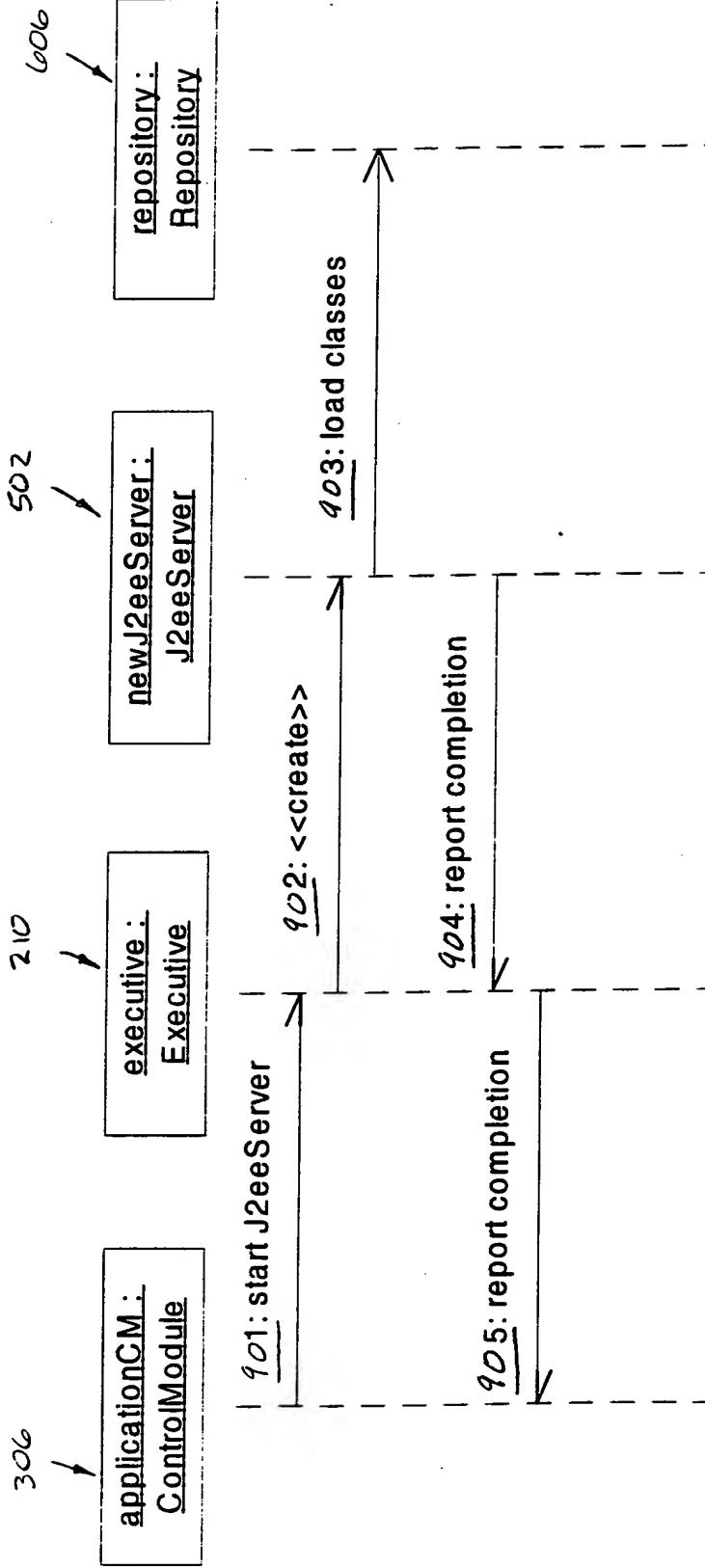


800



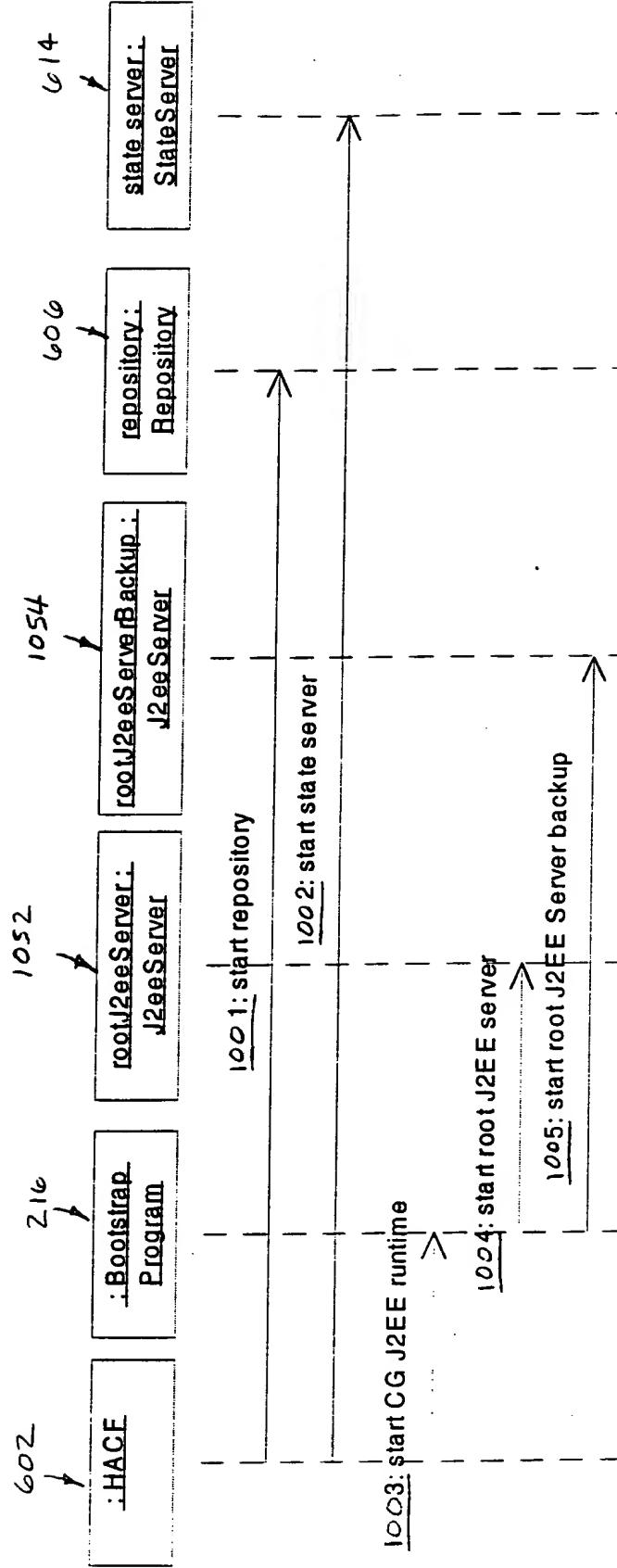
F15 8

100

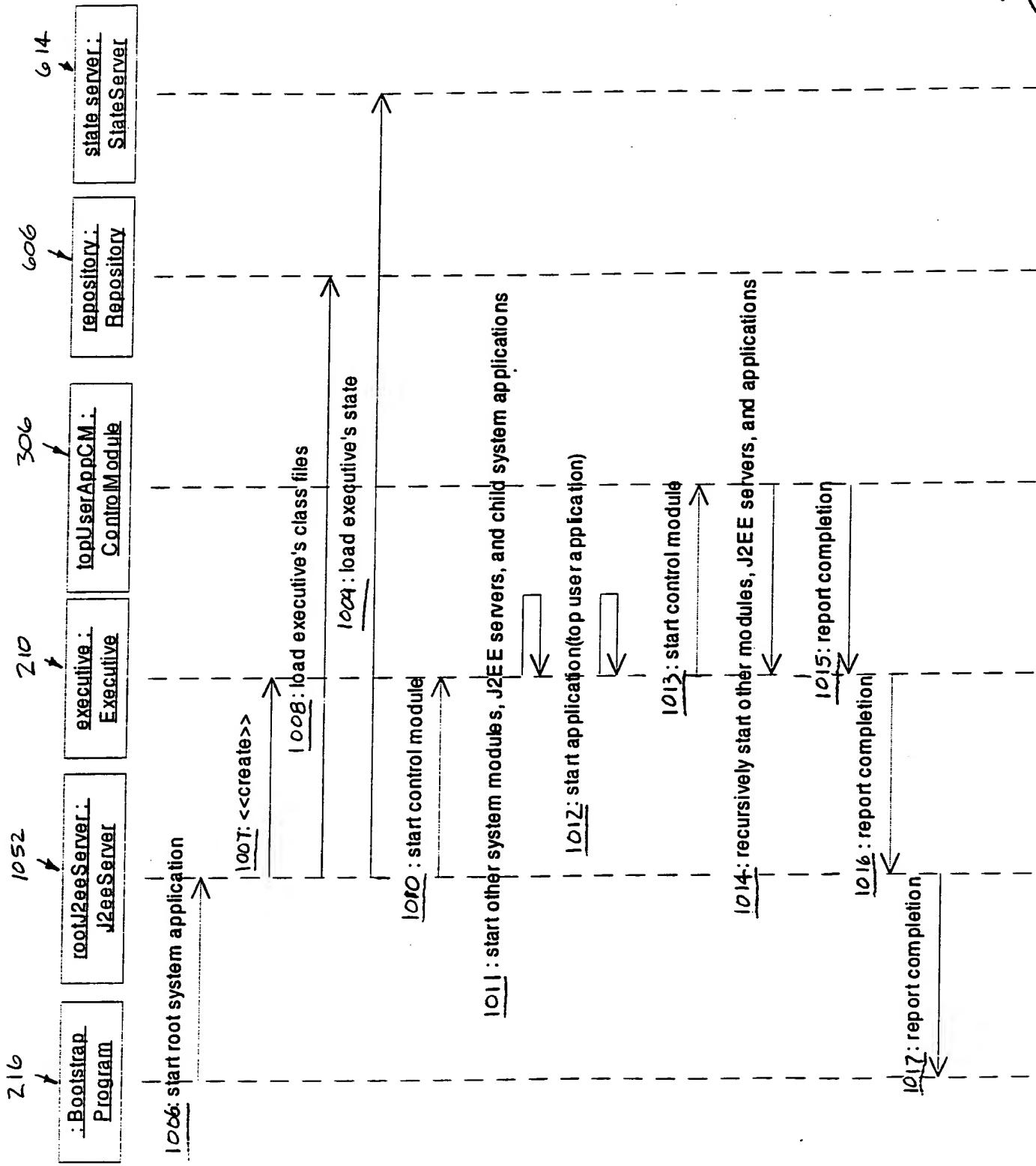


F15 9

100C



1000



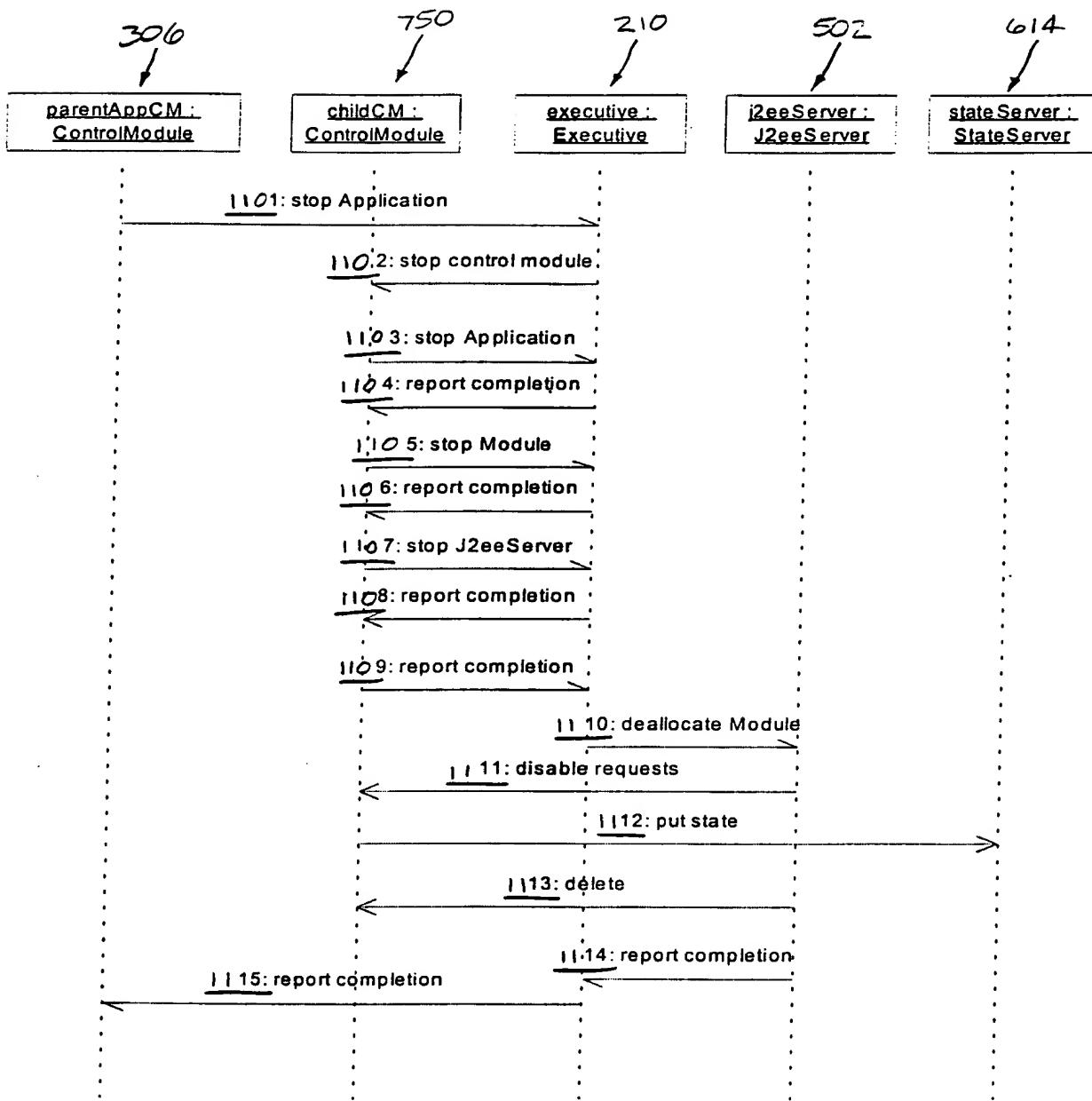


Fig. 11

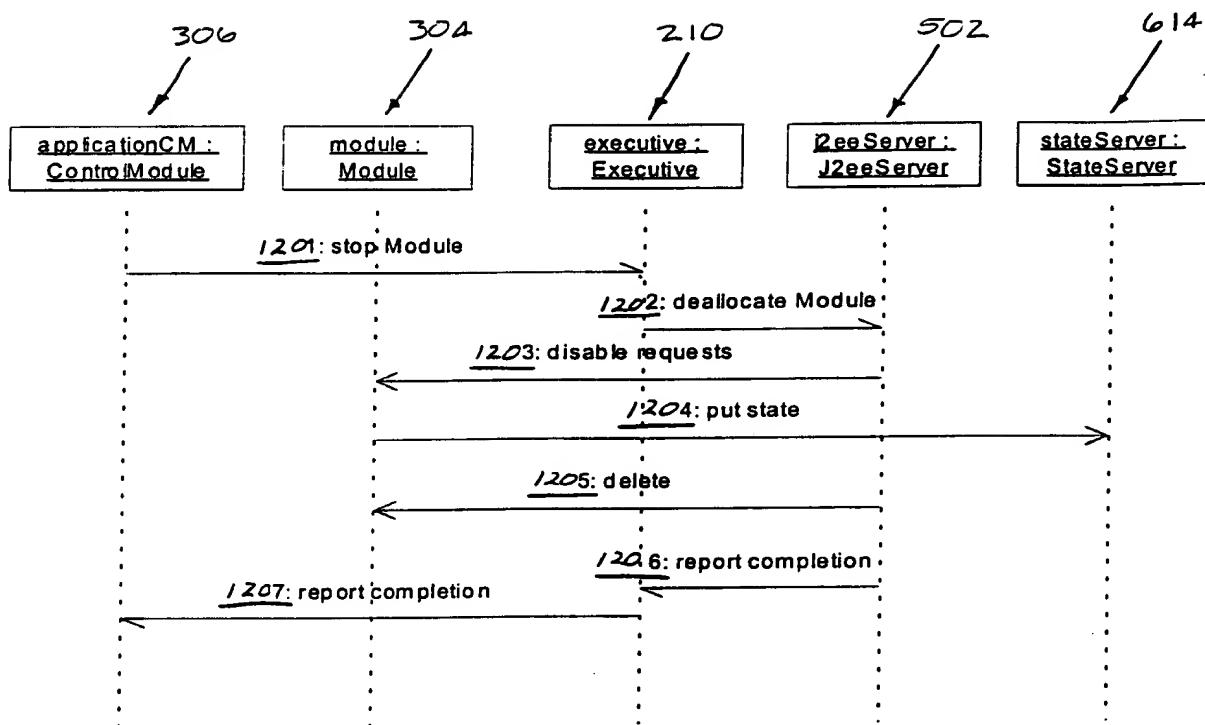


Fig. 12

प्र० १३०० : अप्पलीकेशन कंट्रोल मॉड्यूल

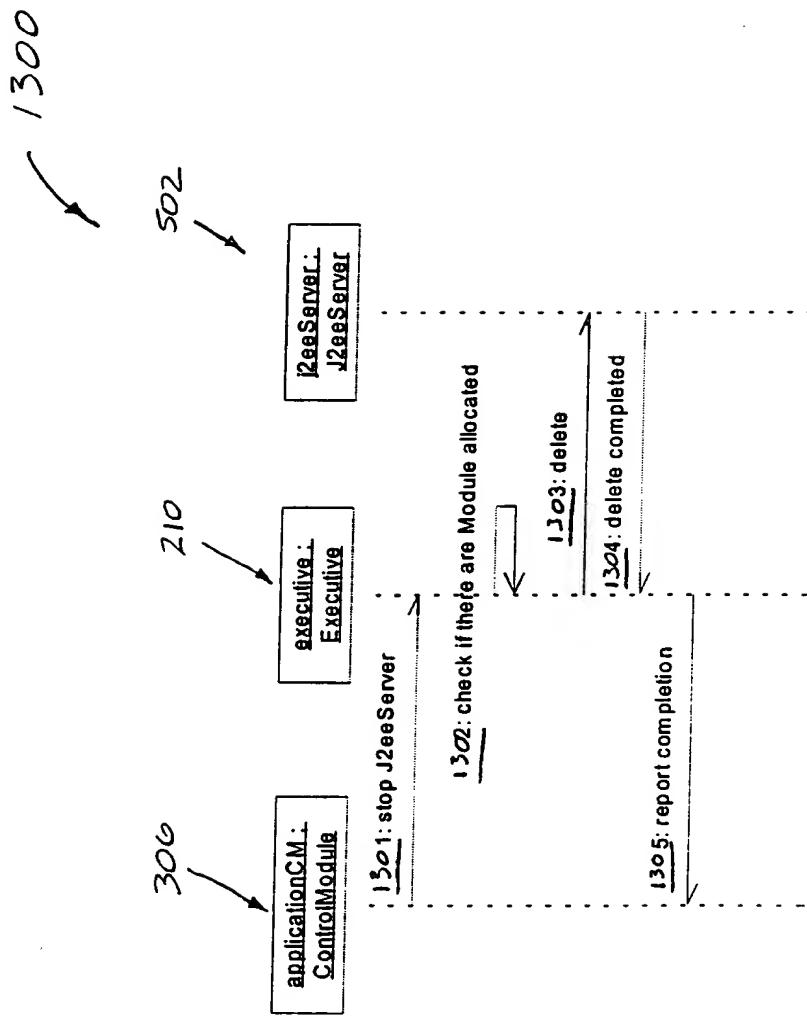


Fig. 13

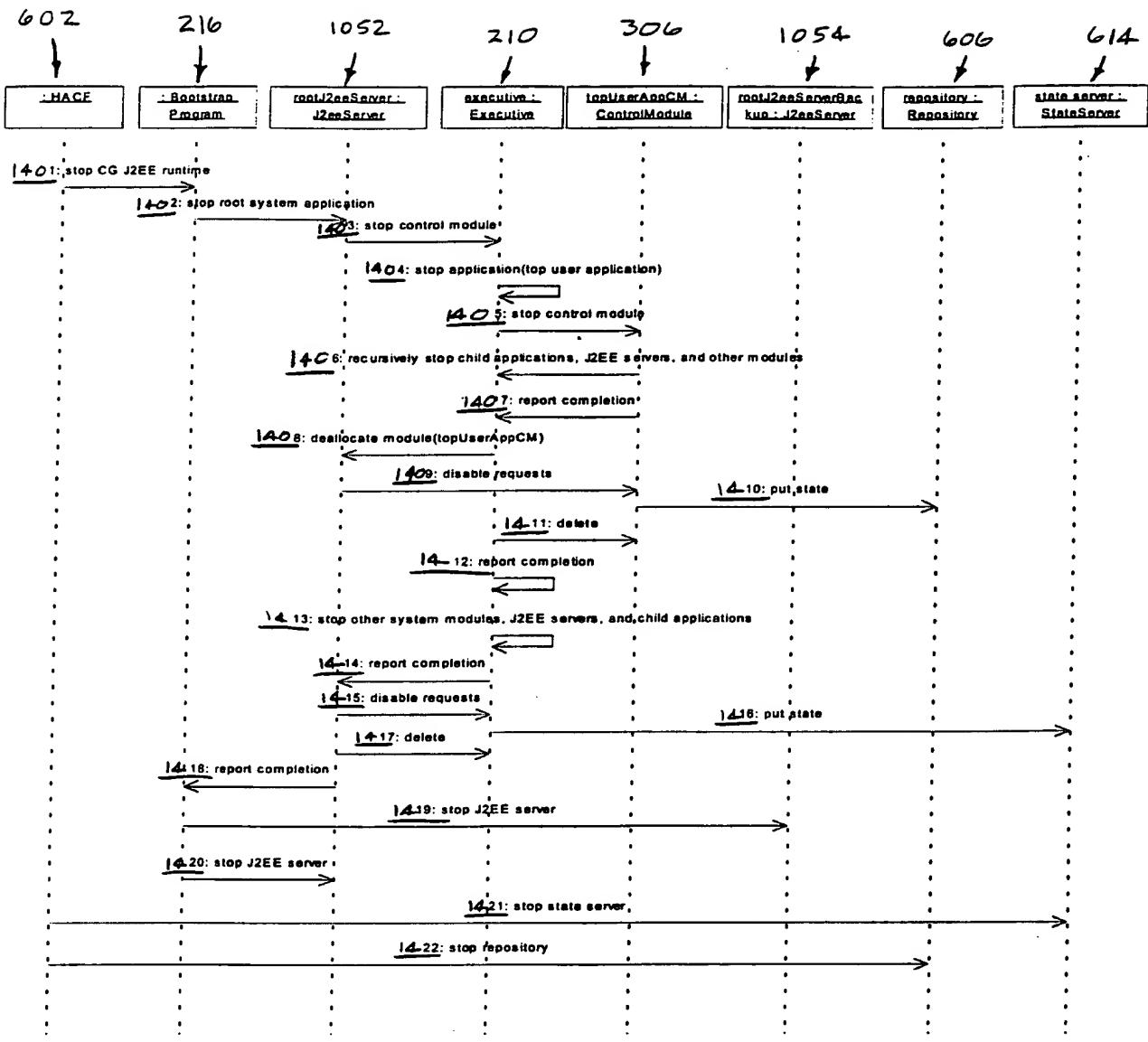
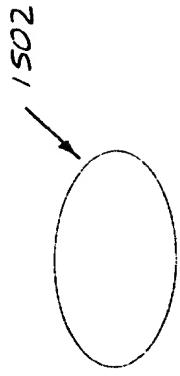


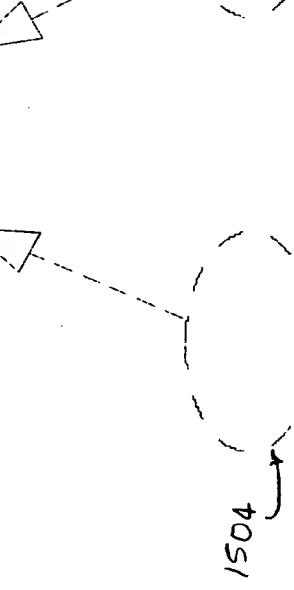
Fig. 14

1500



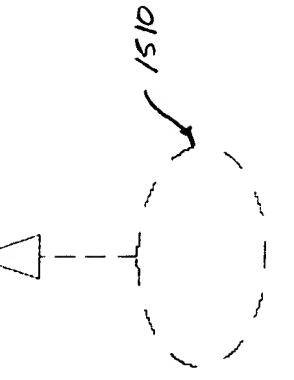
### Monitor Resources

(from Use Case View)



### Reallocate Resources

(from Use Case View)



### Move Module

Poll Resource Usage      Notify Resource Usage

15  
15

1600

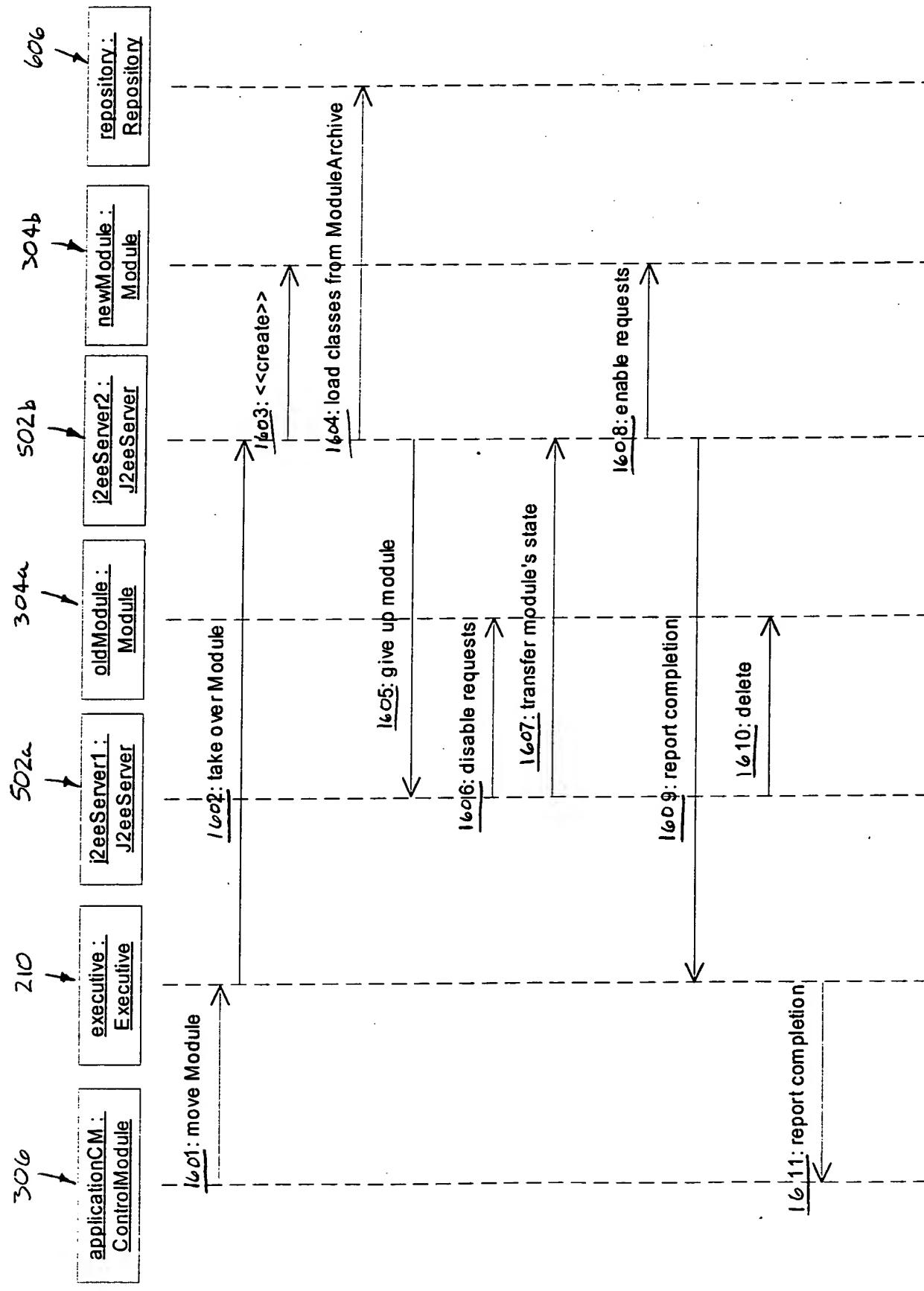


Fig. 16

UML Sequence Diagram

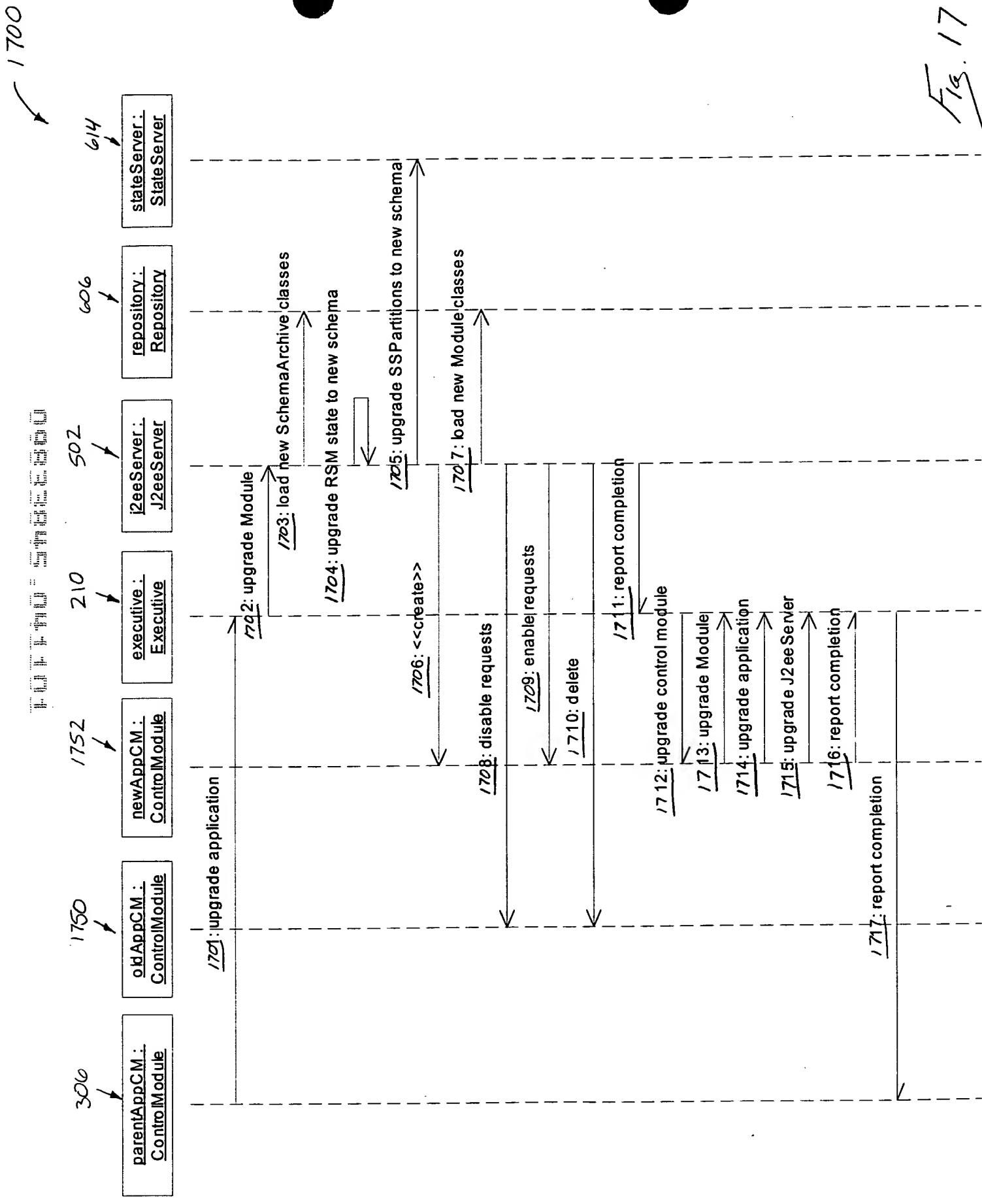
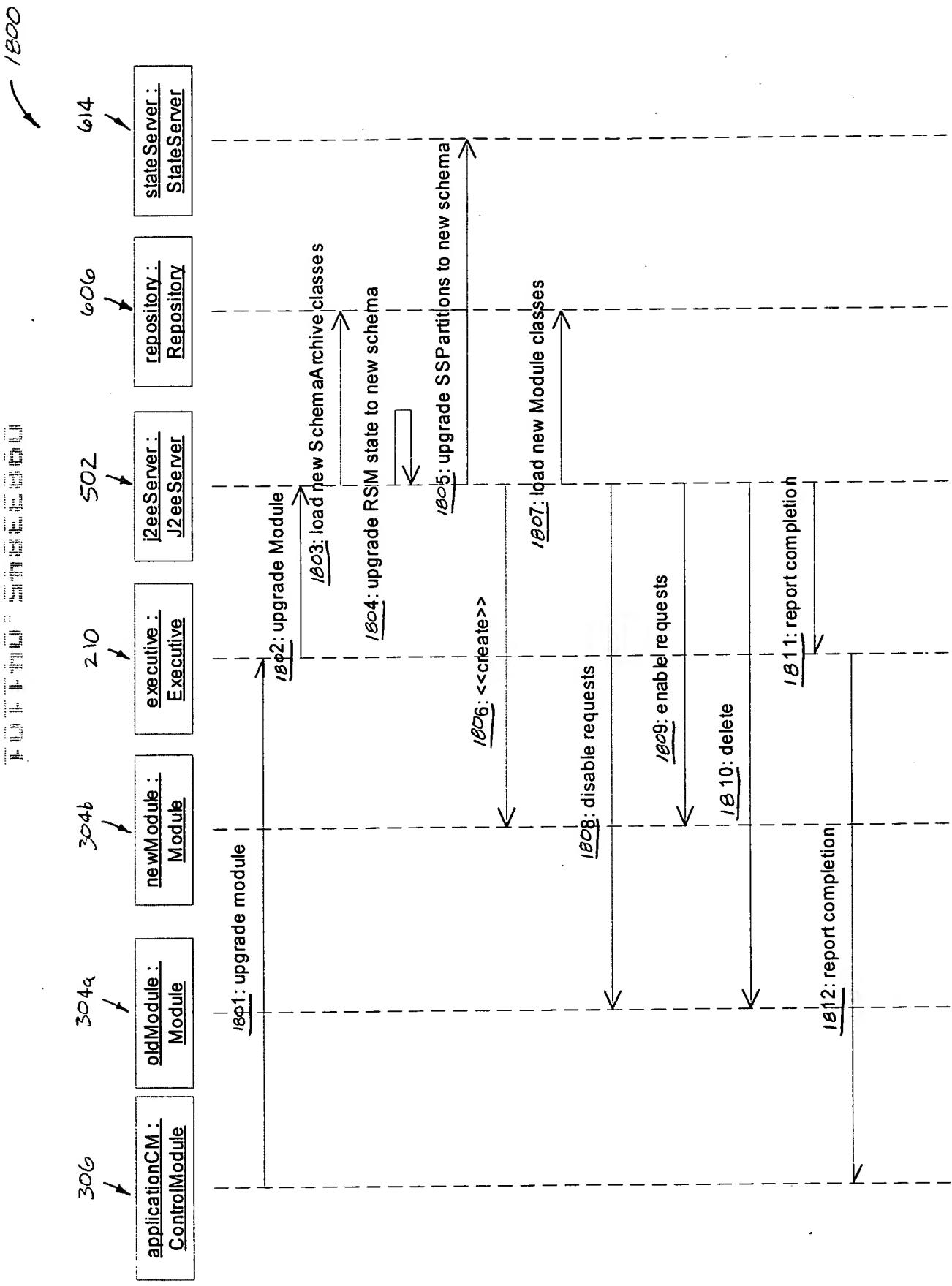


Fig. 17

UML Sequence Diagram



18  
F1e

1100

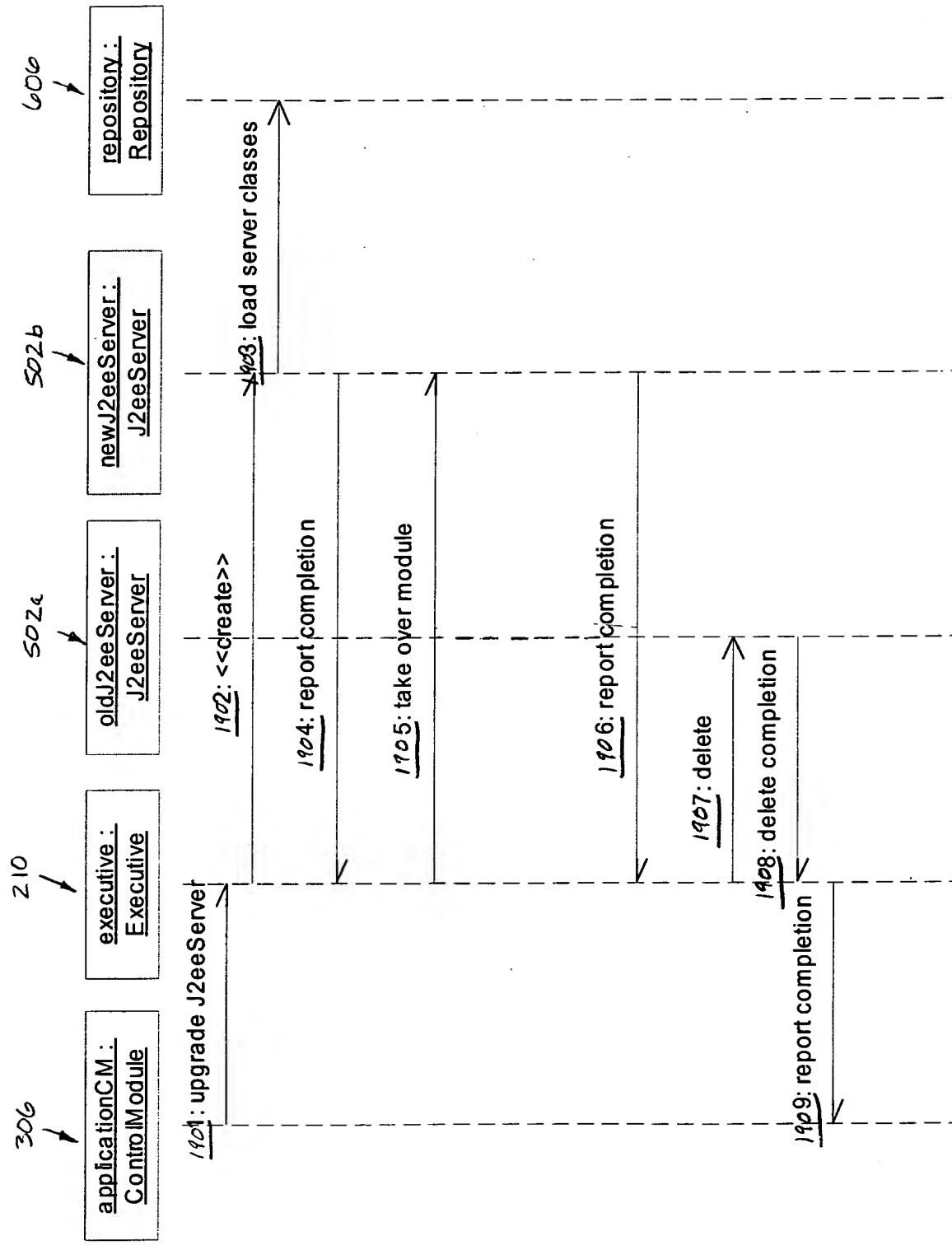


Fig 19

Fig 20: Upgrade J2EE runtime

→ 2000

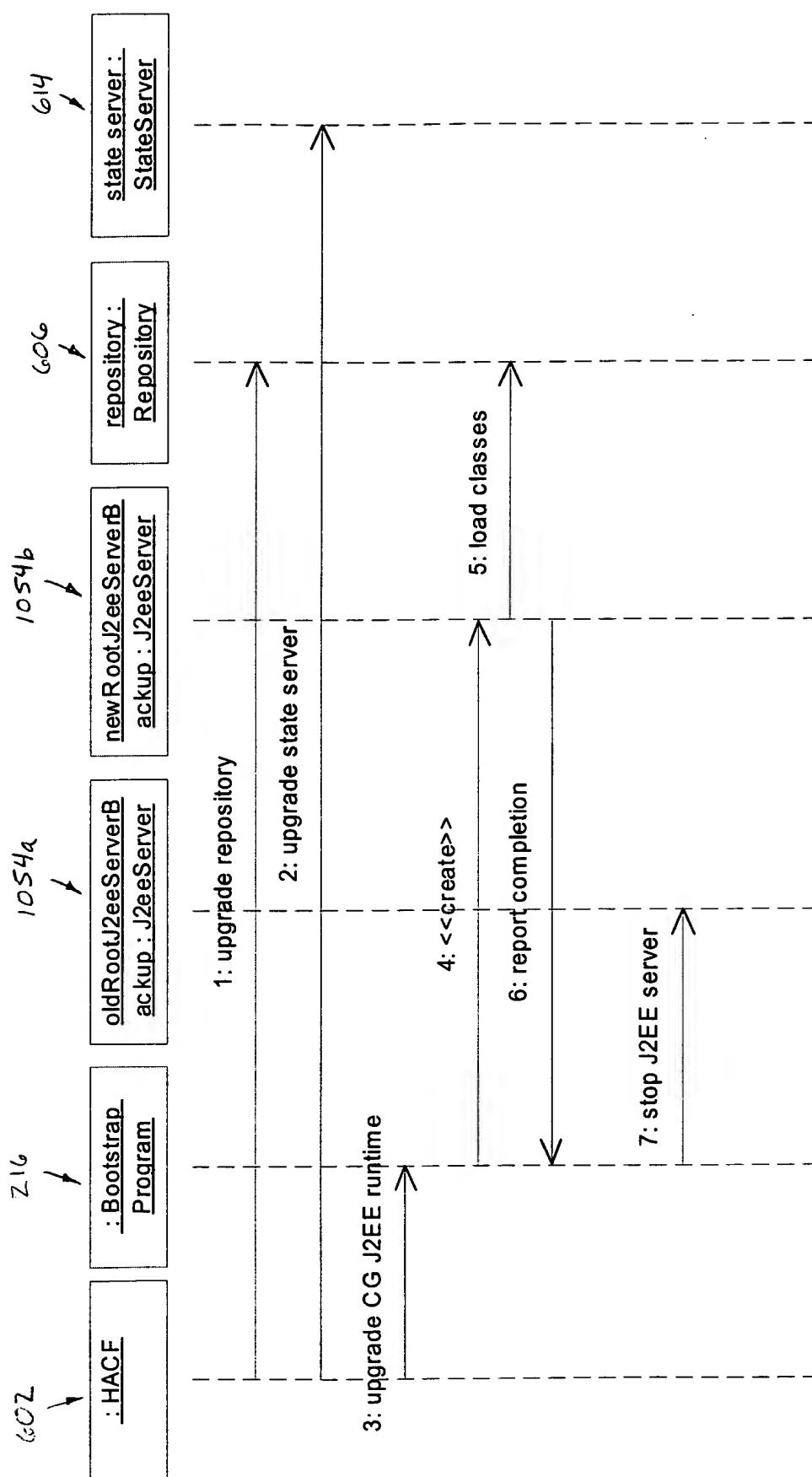


Fig 20

2100

216

1052a

:Bootstrap  
Program

oldRootJ2eeServer  
r1 : J2eeServer

repository :  
Repository

executive1 :  
Executive

executive2 :  
Executive

loop

210b

210a

1052b

210a

210b

210a

210b

210a

210b

210a

210b

210a

210b

2100

2101: upgrade root J2EE server

2102: upgrade J2EE server

2103: <<create>>

2104: load server classes

2105: report completion

2106: take over module(executive)

2107: <<create>>

2108: give up module state(executive)

2109: disable requests

2110: transfer module state(executive)

2111: enable requests

2112: report completion

2113: take over module(topUserAppCM)

topUserAppCM is moved to  
newRootJ2eeServer

2114: report completion

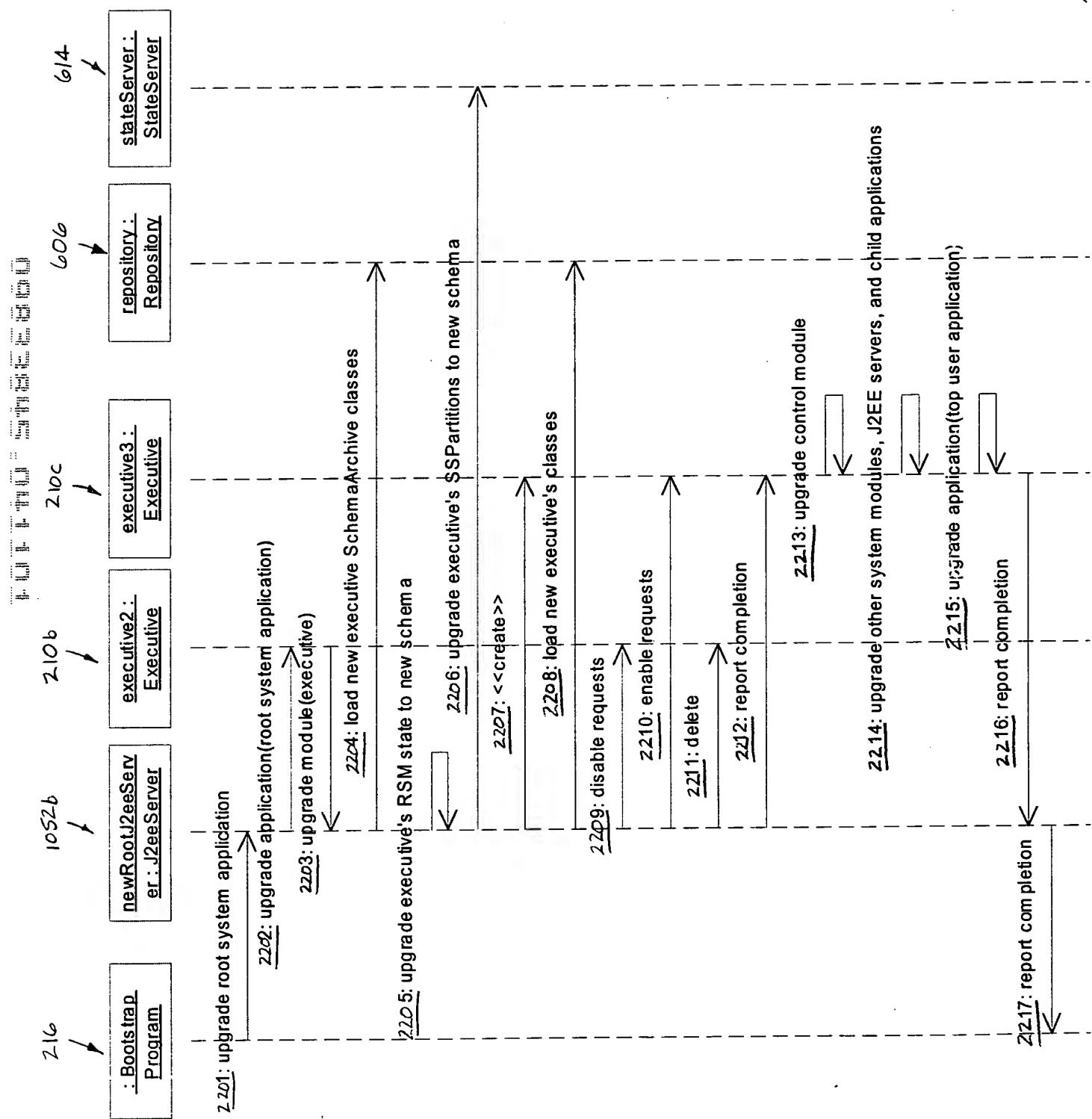
2115: report completion

2116: report completion

2117: stop J2EE server

Figs 21

2200



22

Fig. 22